

PROJECT TITLE : Additives and Analytical Services

Period Covered : November 28 - December 22, 1980

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Report Approved by : F. Lopes

TRIALS WITH NEW SUPPLIERS OF TOBACCO ADDITIVES

- Citric acid (HOFMANN-LA ROCHE, Basel/ yellow sheet 5916, 2 x 500 g)

Two samples in different form (powder, respectively granulas) were submitted. Both samples correspond to our specifications.

- Diethylene glycol (ex BAYER, PMG, Munich) - Ref. 1

The sample corresponds to the specifications.

TRIALS WITH NEW SUPPLIERS OF GLUES

- Tipping glue (ex WIKOLIN, PMG Munich) - Ref. 2

Three types ("5008-A 24", "5008-A 28", "5008-A 30") were tested in Munich.

Machineability: All three were identical to the standard glue. Subjective evaluation on MLK-DB-cigarettes: None of the three samples is acceptable. Type "5008-A 30" was considered as the closest to the standard.

Further trials on the basis of the type "5008 A 30" are planned.

- Glue for packing machine (LAESSER AG, Erlinsbach; "LESSO 1742/1" and "LESSO 1742/2" / yellow sheet 5875, 2 x 10 kg)

These liquid glues on a PVA-basis were foreseen to replace the standard Hot melt "SWIFT M 9918".

Machineability: No improvement compared with the standard glue. No further trials are planned.

- Glue for packing machine (LAESSER AG, Erlinsbach; "LESSO 1835-3"/ yellow sheet 5909, 90 kg) - Ref. 3

The good results of the first trial were confirmed. Accepted as standard glue for the replacement of "LESSO 1885" (GDX I).

Further trials with this glue are planned in order to replace the glues "LESSO 1178" (AMF), "LESSO 5021/2" (HLP), "LESSO 1511" (HLP) and "BLATTMANN 037" (GDX I, 85 mm).

- Glue for tear type (CHEMISCHE FABRIK SCHWEIZERHALLE, Basel; ex WITCO CHEMICAL, Holland; MULTIWAX ML-445-H"/yellow sheet 5839, 1 kg)

The glue does not give better results on the machine than the standard glue.

Concluded on 01.02.80

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PRIMARY

- Primary in Bergen op Zoom - Ref. 4

In order to check the primaries on a PME level and within the framework of the study "loss of humectants during preparation", five series of samples taken in the old primary in Bergen op Zoom were analysed (total alkaloids, reducing sugars, propylene glycol, glycerine). The first results cannot yet be interpreted because of a lack of historical data. The results will be taken into consideration for comparing the new primary of Bergen op Zoom with the old one.

SERVICES FOR OTHER GROUPS

- Analyses for ETNA

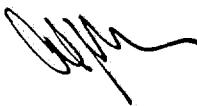
Determination of diethylene glycol in expanded tobacco (74 samples).

Determination of chlorid in expanded tobacco (70 samples).

These analyses were made in order to determine the residential time of the expanded tobacco in the reordering cylinder.

QC Analytical Services

A. Widmer

REFERENCES:

1. Letter from A. Widmer to Mr. F. Derstadt (PMG Munich), dd 04.12.80
2. Letter from Mr. B.W. Lutzig to A. Widmer, dd 24.09.80
Letter from A. Widmer to Mr. B.W. Lutzig, dd 04.12.80
3. Monthly report A. Widmer, November 1980
4. Letter from A. Widmer to Mr. J. de Haas (PMH), dd 08.12.80

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